ULSS 005493-15

USER'S LOGISTICS SUPPORT SUMMARY

POWER SUPPLY
0-150 VDC
MODEL 06179-PR150-1200W-SPC284

NSN 6130-01-441-1746

MARINE CORPS SYSTEMS COMMAND
QUANTICO, VA 22134-5010

OCTOBER 2000
PCN 132 10367 000

DEPARTMENT OF THE NAVY
Headquarters, U.S. Marine Corps
Washington, DC 20380-0001

31 October 2000

1. This User's Logistics Support Summary (ULSS), authenticated for Marine Corps use and effective upon receipt, advises the Fleet Marine Force and other selected commands of the plan to field and logistically support the Power Supply, 0-150 VDC, Model 06179-PR150-1200W-SPC284, NSN 6130-01-441-1746.

2. Submit notice of discrepancies or suggested changes to this ULSS to: Commander, Attn: PSL, MARCORSYSCOM, 2033 Barnett Ave., Suite 315, Quantico, VA 22134-5010. In addition, forward an information copy to the Project Officer at the following address: Commander, MARCORSYSCOM, Attn: PM TMDE, MARCORSYSCOM, 2033 Barnett Avenue, Suite 315, Quantico, Virginia 22134-5010.

4. This ULSS supersedes LAP(s) 54-93 of JULY 1993

3. This ULSS is applicable to the Marine Corps Reserve.

BY DIRECTION OF THE COMMANDER MARINE CORPS SYSTEMS COMMAND

OFFICIAL:

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DISTRIBUTION: PCN 132 103760 000

USER'S LOGISTICS SUPPORT SUMMARY FOR THE 0-150 VDC POWER SUPPLY

1. Introduction

The power supply converter is a general-purpose power supply being procured as part of the power supply modernization program. It is intended to support many different communication-electronic equipment. The power supply is commercial off the shelf and will be used in the maintenance of communication equipment.

a. Source of Requirement. The 0-150 VDC Power Supply is considered an item of General Purpose Electronic Test Equipment and is required to perform maintenance support for many different communication-electronic equipment. Mission Need Statement number CCC 1.49, of 02 April 1993 and Operational Requirements Document number CCC 1.49, of 04 March 1994.

b. Points of Contact

TITLE	LOCATION AND CODE	TELEPHONE AND DSN
PROGRAM MANAGER	MARCORSYSCOM/PM-TMDE QUANTICO, VA 22134	(703) 784-4457 (DSN) 278-4457
PROJECT OFFICER	MARCORSYSCOM/TMDE-GE2 QUANTICO, VA 22134	(703) 784-4494 (DSN) 278-4494
ASSISTANT PROGRAM MANAGER LOGISTICS	MARCORSYSCOM/APML PM-TMDE QUANTICO, VA 22134	(703) 784-4497 (DSN) 278-4497
WEAPON SYSTEM AND EQUIPMENT (WS/E) MANAGER	MARCORLOGBASES CODE 843-1 ALBANY, GA 31704	(229) 639-6551 (DSN) 567-6551

c. System Description. The Power Supply is capable of providing a regulated dc voltage that is adjustable from 0 to 100 VDC from 0 to 12 amperes, and 1200 watts maximum output from 100 to 150 VDC output (approximately 10 amperes). This output dc voltage is generated from a 115 VAC, single-phase, 50/60 Hz power input source. Mounted on the Power Supply front panel assembly are the power switch, power-on indicator lamp (AC), output voltage adjustment, voltmeter, current adjustment, ammeter, and binding posts for +, -, and ground (GND). The Power Supply is supplied with a detachable 8-foot three wire AC input power cable, Instruction/Maintenance Manual, and Test and Calibration Sheet.

d. Operational Characteristics. The general-purpose power supply converter provides the capability to convert 115 VAC power to 0-150 VDC power, 1200 watts maximum. The power supply is for use in the maintenance of communication-electronics equipment.

e. Replaced Weapon Systems and Equipment.

(1) This system will replace Power Supply, Table of Authorized Material Control Number (TAMCN) H2353, NSN 6130-00-165-3838 and H2360, NSN 6130-00-160-0827 and 6130-00-814-2106.

(2) Request disposal instructions from MCLB Albany, code 843-1 via WIR on line process handling or via message.

2. Administrative Information

a. Item Name. Power Supply, 0-150 VDC

b. Nomenclature. Model PR150-1200W-SPC284

c. Table of Authorized Material Control Number. A77077G

d. Stores Account Code. 3

e. National Stock Number. 6130-01-441-1746

f. Item Designator. 10376A

g. Unit of Issue. Each

h. Unit Cost. $2,190

i. Support Costs. N/A

j. Physical Characteristics. The Power Supply is housed in an aluminum chassis with handles on the front panel.

Configuration	Operational Configuration	Storage and Shipping
Length	17.62 inches	23.37 inches
Width	16.75 inches	22.50 inches
Height	5.58 inches	11.33 inches
Square	2.05 square feet	3.65 square feet
Cube	0.96 cubic feet	3.45 cubic feet
Weight	30 pounds	35 pounds
Stowage	square	square

k. Petroleum, Oil, and Lubricants. N/A

l. Equipment Density. Normal

m. Resource Reporting. N/A

n. Power Requirements. 115 VAC, single-phase 50/60 Hz.

o. Associated Weapon Systems and Equipment. The 0-150 VDC Power Supply will be used for maintenance support of communication-electronic equipment.

3. Fielding Methodology

a. General Fielding Plan. The Power Supply will be fielded horizontally. Specific allowances are provided in accordance with Appendix A, page A-1.

b. Method of Fielding. The prescribed allowance will be requisitioned by the gaining commands. Units will submit requisitions for only the authorized quantity, which is reflected as an actual allowance on their Equipment Allowance File (EAF). The appropriate requisition priority based on mission need shall be utilized. The MARCORLOGBASES Albany, Inventory Manager will direct shipment of assets in response to requisitions.

4. Logistics Support

a. Maintenance Support

(1) Maintenance Concept

(a) Organizational Level Maintenance. First echelon maintenance consists of normal cleaning, inventory, and replacement of accessories. Second echelon maintenance consists of verification of proper operation of the power supply, by monitoring output using a calibrated multimeter.

(b) Intermediate Level Maintenance. All intermediate maintenance will be accomplished at third and fourth echelon by Military Occupational Specialty (MOS) 28XX, 59XX. Owning units not authorized intermediate maintenance will evacuate the power supply to their supporting intermediate maintenance activity. Fourth echelon maintenance will include piece part replacement. Circuit card repair actions may be required by MOS 8641 to restore the system to its full capability. New MOS 2847 will be the primary MOS to perform maintenance on the power supply. Training for MOS 2847 begins FY 01 at MCCES 29 Palms, CA.

(2) Designated Support Depots. COMMARCORLOGBASES Albany and Barstow are authorized complete fifth echelon maintenance, which consists of repair as required, and overflow from the intermediate level.

(3) Calibration Requirements. Calibration is not required.

b. Contractor Support Requirements. N/A

c. Manpower, Personnel, and Training

(1) Personnel Requirements. MOS's 28XX or 59XX are required for maintenance of the equipment. Technicians with secondary MOS 5911, Microminiature Repairman, may be required to perform some repairs. There are no special MOS's required for operation of the power supply.

(2) Training Requirements. None

(a) Operator Training. The operation of the Power Supply is similar to that of the replaced item, training for personnel already in the field will be by on-the-job training. Allowances are established at Marine Corps Comm-Elect School, T/E 7720.

(b) Maintenance Training. New MOS 2847 will be the primary MOS to perform maintenance on the power supply. Training for MOS 2847 begins FY 01 at MCCES 29 Palms, CA. Other maintenance training will be accomplished by on-the-job training and use of appropriate technical manuals.

(3) Training Support Items. No training support items are required.

d. Supply Support. The Force Service Support Group (FSSGs) will submit a Recoverable Item Report (WIR) for repairable assets to MARCORLOGBASES, Albany, Code 843-1. Disposition instructions will be provided by MARCORLOGBASES, Albany, Weapon System Inventory Manager. All using unit requirements will be submitted via the IMA'S to MARCORLOGBASES, Albany, (MPB) via WIR On-Line Process Handler (WOLPH) or message and will contain a valid Signal Code and Fund Code. Customer funds are required. Replenishment requirements will be passed to the principal inventory control activity. Replenishment assets will be provided at the standard unit price. Passing order supply status will be provided by MARCORLOGBASES, Albany, (MPB), Weapon System Inventory Manager. Estimated Ship date for replenishment requisitions will be provided to the FSSGs by the principal Inventory Control Activity via Autodin.

e. Support Equipment.

(1) Special Tools. N/A

(2) Common Tools.

TAMCN	NSN	ITEM DESCRIPTION	QTY
A7900	5180-01-244-1290	Tool Kit, Electronic Equipment	1
A7955	5895-01-322-9872	Maintenance Kit, Electronic Equipment	1

(3) Special Purpose Test Equipment. N/A

(4) General Purpose Test Equipment.

TAMCN	NSN	ITEM DESCRIPTION	NOMENCLATURE	QTY
H7030	6625-01-366-3372	Multimeter, Digital, Handheld	Fluke 77/BN	1
A7061	6625-01-275-4766	Oscilloscope	Textronix 2246A	1

* An electronic load, shunt, and variac will be fielded for future use at 4th echelon level maintenance. Electronic load, shunt and variac will be assigned a HOTEL TAMCN, SAC 1 item, and PM TMDE will initial issue these items first quarter FY01.

(5) Application Program Sets and Test Program Sets. N/A

(6) Other Support Equipment. N/A

f. Technical Publications.

PUBLICATION NUMBER	TITLE	PCN
TM 09916B-14&P	Power Supply Model PR150-1200W-SPC284 Operation and Maintenance Manual with Illustrated Parts Breakdown	18409916000

Address questions on distribution or requisitioning of technical manuals to Internet E-mail address: LOGC@QUANTICO.USMC.MIL, or by phoning MARCORSYSCOM Technical Publications Branch DSN 278-4570, commercial (703) 784-4570.

g. Computer Resources Support. N/A

h. Facilities. No facilities requirements or military construction projects are pertinent to this item.

i. Existing Facilities. This piece of equipment will be used in fourth echelon maintenance facilities.

(1) New Facilities. N/A

(2) Interim Facilities. N/A

j. Packaging, Handling, Storage, and Transportation

(1) Packaging. Packaging shall be in accordance with ASTM D3951-90

(2) Handling. Normal handling techniques employed for fragile electronic instrumentation should be used. Some repair parts are sensitive to the effects of electro-static discharge and should be handled only in their protective wrapping except when at an approved static sensitive workstation.

(3) Storage. Store the packaged Power Supply inside a covered structure that provides protection from the elements:

Storage Temperature Range	-20 degree C to +65 degree C
Max Height of Stacking	3 high in original carton supplied

For long term storage the power supply should be packed and crated. First check to see if the power supply is in operational conditions. Then place it in its original packaging container making sure AC power cable and manual are also inside. Crate the power supply with plywood to allow for 2-inch thick cushioning on all sides and mark it with "Power Supply, model number, NSN, and Fragile".

(4) Transportation. Normally it will be transported inside a maintenance van or mount out box. When transported separately, the Power Supply will be shipped in easily identifiable containers conspicuously marked as contains fragile electronic equipment. The Power Supply should be packed in sufficient shock absorbent material so as to negate any detrimental effects of normal handling.

k. Transportability/Naval Integration. All specific requirements for method of deployment are addressed in the above paragraph.

l. Warranties. N/A

m. Environmental Safety and Health. When not operated or maintained properly the system has safety and health hazards which exceed a low risk level. Specific procedures regarding safe operation, maintenance, and disposal are contained within Operation and Maintenance Manual. No hazardous materials have been identified.

n. Plan of Action and Milestones (POA&M). N/A

5. Actions Required to Place Equipment in Service

a. Gaining Commands

(1) Perform acceptance inspection upon receipt.

(2) Refer to local policy for placing new equipment in service. Notify COMMARCORSYSCOM and COMMARCORLOGBASES when new equipment is placed in service.

(3) After system fielding, provide, within 6 months, an assessment of each of the logistics support elements per MCO 4105.4 and contained in TM-4420/15-1 (figure 1-2), both problems and accomplishments. Submit to DC/S I&L (LPM), MARCORSYSCOM (PM-TMDE), and MARCORLOGBASES for use in improving the Marine Corps Life Cycle Logistics Support program.

(4) Materiel Defects Reporting. Submit Product Quality Deficiency Reports (PQDRs) on defective equipment in accordance with MCO 4855.10_.

(5) Retrograde of Existing Equipment. Request disposal instructions of replaced equipment from MCLB Albany, code 843-1, via WIR on line process handling or via message.

(6) Obtaining Supporting Consumables. Requisition T/E shortages.

(7) Security Requirements. N/A

(8) Controlled Item Reporting. N/A

b. MARCORLOGBASES, Albany

(1) Dispose of replaced items in accordance with current directives.

(2) Establish initial issue projects, submit documentation to procure Initial Issue Provisioning, and monitor NSN attainment.

(3) Post published ULSS on document repository.

(4) Issue the equipment in accordance with the fielding methodology in paragraph 3b of this ULSS.

(5) Notify all concerned activities of shipping information.

(6) Notify all concerned activities of any delays which affect the fielding process.

c. Commander, MARCORSYSCOM

(1) Ensure action is initiated to reflect appropriate current allowance data on EAF to approximately coincide with the publications of the ULSS.

(2) Ensure IDF information is updated prior to fielding, per MCO 4400.192_, and that the information is kept current.

(3) Provide MARCORLOGBASES, Albany the digital signed ULSS for posting on the documentation repository.

(4) Maintain life cycle management of the system per MCO 4105.4, and TM 4420-15/1 as required.

(5) Notify activities of any problems or issues that delay fielding beyond the projected in-service date.

Appendix A: List of Allowances and Delivery Schedules

T/E	NAME OF UNIT		PLANNED DISTRIBUTION FOR EQUIPMENT MULT	QTY TOTAL
7011	MCLB BARSTOW, CA		4	4
7014	MCLB ALBANY, GA		2	2
7401	HQ MCCDC QUANTICO, VA		2	2
7720	MC C&E SCHOOL, MCAGCC, 29 PALMS, CA		13	13
B3331	MAINT CO, CSSG-3		4	4
N1015	COMMCO, HQBN, 1ST MARDIV		2	2
1025	COMMCO, HQBN, 2D MARDIV		2	2
N1035	COMMCO, HQBN, 3D MARDIV		2	2
N1045	COMMCO, HQBN, 4TH MARDIV		2	2
N3132	ELMACO, 1ST FSSG		14	14
N3232	ELMACO, 2ND FSSG		16	16
N3332	ELMACO, 3RD FSSG		14	14
N3432	ELMACO, 4TH FSSG		10	10
N4606	H&S CO, 1ST SRIG		2	2
N4709	SCAMP, INTEL CO, 2D SRIG		6	6
N4784	COMM SPT, 2ND SRIG		2	2
N4809	SCAMP, INTEL CO, H&S BN, III MEF		2	2
N8652	MWAC DET	(X6)	6	36
		Total	**105**	**135**

NOTE: The information provided above is accurate as of the publication of this ULSS. Subsequent changes to unit allowances or deliveries are reflected through modification of quantities in the EAF.

Appendix B: Schedule of Events

EVENT	DATE
Fielding Begins	Sept 2000
Initial Operational Capability	Sept 2000
Full Operational Capability	Dec 2000

Appendix C: Distribution Schedule for Provisioning Projects

Provisioning Project #	Project Initial Issue Parts Release Date
N/A	